

GIS

DEC. 5, 1998



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free software

☒ putting the pieces in place

visualize
your dream ...

the GIS team

WFI's GIS specialists have years of experience in GIS and telecommunications. We are committed to working closely with our clients and vendors to design the highest quality networks possible.

our philosophy •

Wireless Facilities Inc. fully believes in starting the design of every market with a detailed demographic analysis. This type of initial analysis helps to increase the efficiencies and caliber of the network design.

the GIS process

In order to demonstrate what the GIS team can do to analyze a region we have broken the process into distinct parts. We offer the flexibility to provide these services piecemeal or to provide full turnkey solutions for our clients.



| 1. visualize your market



By locating and mapping key elements of interest, we can help you visualize your existing market or analyze the feasibility of a future region. Listed below is just a small sample of what we can do for you.

- ▶ recommend data sources or help develop new databases to suit your needs
- ▶ map concentrations of population, households, and businesses
- ▶ analyze demographic factors including age, gender, ethnicity, and income
- ▶ map business data such as industry types, occupation, access lines, and size
- ▶ plot land use profiles and terrain data

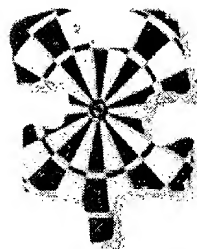


2. analyze market traffic

o At WFI we recognize that in order to accurately view your potential subscribers, static analysis of their locations is not enough. Visualizing vehicular traffic and commuter data is critical for producing a precise market view. In that vein, we have developed tools and methods to help you locate your mobile subscribers.

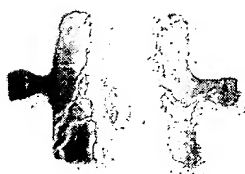
- acquire vehicular traffic data and commuter routes from appropriate sources
- analyze commuter statistics for a region and produce a visual display of commuter flow
- WFI's Point Spread software can produce street level vehicular traffic counts, which will locate and highlight roads having the heaviest traffic volume

3. target your subscribers



o In order to produce an even more detailed view of your market, we can help you define and map specific target segments which describe your subscriber base.

- we'll work closely with your marketing department to help define your target segments
- acquire and manipulate demographic data to produce target segment counts
- map this data to produce views of the high density regions of these segments
- overlay segment data with "hot-spots", areas that these segments may frequent in your market, such as malls, airports, golf courses, universities, stadiums, etc...



4. forecast network demand

Using WFI's Forecast software, you can quickly turn your market demographics into an erlang demand, as well as calculate the number of channels and sites you will need to meet this demand.

- incorporate target segment data as well as vehicular traffic to most accurately model network demand
- quickly create a multi-year view of the market by incorporating expected penetration growth and growth of subscriber base
- calculate the number of erlangs, voice channels, RF channels and wire-line channels needed
- map erlang data and print reports of demand directly from software

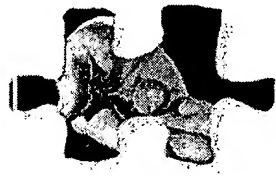
5. assist in system design



Our GIS department can do even more by assisting your engineering department with system design to increase the efficiency of your network.

- plot system specific data such as existing sites, buildings, towers, central office and switch locations, or any other data specific for your network design
- analyze existing sites for potential partners
- import cell boundaries into WFI Forecast and calculate the demand per

- cell or per sector, and determine when a cell may need to be sectorized based on demand
- analyze and map drive test data with WFI NetView, creating best server or single site gridded maps representing your system's actual performance



6. specialized services

The GIS team offers additional services including the following specialized services:

Custom GIS Software Development:

- With fast turnaround times, we can create specialized tools to help your data visualization needs. From data import/export to complex GUI based tools, we can help you speed up operations by creating custom software that you own.

Market Research:

- Even if the data you may need for your application does not exist, our staff can assist in researching and creating custom databases for you.

WFI Strategic Partners

WFI has formed key business partnerships with industry leading software and data suppliers in order to provide superior service to our clients



MapInfo Corporation provides the industry leading desktop mapping solution, MapInfo Professional, along with many other cutting edge software and data products.



BLR Data is the nation's leading supplier of geographically based data products. BLR Data is committed to providing the most innovative and accurate databases in the industry. We maintain over 50 databases, including StreetNetwork, TrafficVolumes, MajorRoads, HighwayNetwork, Telco boundaries, demographics, Zip Codes, and the recently released, StreetNetwork Geocoder



Claritas is the nation's leading provider of precision marketing products and services, offering practical solutions in today's fast-paced, high-tech business environment. By combining sophisticated technology with full consulting services, we give you the power to connect with your clients yielding the most profitable customer relationships. The Most Accurate Local-Area Demographics.

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contact the
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directly:

**WFI GIS
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GIS Manager
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813.909.8126

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Network Optimization Tool

Introducing NetView

WFI's GIS division is constantly looking for ways to enhance the efficiencies and accuracy's of developing wireless networks. While working closely with our RF Engineers, we have developed a post-processing tool to be used to analyze drive test data.

After months of field testing and incorporating feedback from our engineers, we have made significant improvements and added numerous features to this application.

Netview is an integrated application for MapInfo 4.0 which provides the means by which Engineers can quickly and accurately analyze their network designs. This is accomplished through the processing of PCS and cellular drive test data. NetView quickly and easily reads raw data files from a GPS unit directly into MapInfo. One of the key features of this tool is the ability to bin the data into a grid whose size is user defined. The signal strength and path loss values are then averaged together and thematically shaded for each grid cell. The grid size can range anywhere from 10 meters to 500 meters or higher. The software calculates the path loss and the grid is then color coded for both signal strength and path loss. An added benefit of utilizing NetView in your design analysis and optimization, is its ability to determine and display best server values for multiple sites that were selected by the user.

With all of these features combined, NetView creates an accurate coverage map of the network based on live data. This type of "true" coverage map is imperative in determining

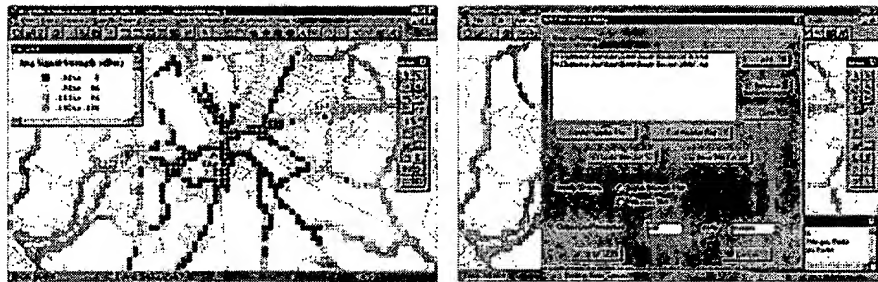
the actual coverage area for each cell instead of relying completely on the coverage areas as predicted by a propagation model.

What's New in 3.3

Here is a list of some of the key upgrades you will find in NetView 3.3, the newest release of our tool:

- Support for Grayson's Spectrum Tracker Output
- Support for Berkeley Systems 1.02 ASCII output format
- Support for Pathview 2.0 ASCII output format
- Support for Grayson's revised receiver format

Screen Shots



NetView is integrated directly into MapInfo, so learning how to use it is a snap!
Click on the picture for a larger image.

Downloading NetView

Current Users

If you are a licensed user of any earlier version of NetView you may upgrade to version 3.3 for free. Simply by verifying your license information you will receive a user name and password via email with which you can download the latest version of NetView, access product documentation, and receive technical support.

Request an upgrade to NetView 3.3

Be sure to include your name, company, address, and serial number.

Version 3.3 of Netview is now available. This new version includes support for the newest Grayson receiver format, as well as support for Pathview 2.0 and Berkeley 1.02 ASCII output files. Consult the program documentation for a new feature list and operational instructions.

[Download NetView 3.3 Full Installation \(1.5 Mb executable, password required\)](#)

[Download NetView 3.3 Program Files Only \(80 KB zip, password required\)](#)

New Users

If you are new to NetView, you may download a limited evaluation version of WFI's NetView by filling out our questionnaire. You will receive a user name name and password via email, with which you can download the trial version of NetView.

[Request an evaluation of NetView 3.2](#)

[Download the evaluation version of NetView 3.2 \(password required\)](#)

More Information

For more product information or to receive ordering information for WFI Netview, email us at gis@wfinet.com or [contact us](#) directly.

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FEB 2, 1999



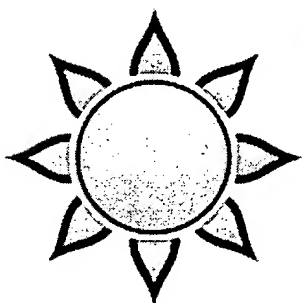
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WFI *Forecast*

Demand Prediction and Mapping Tool

Introducing Forecast

WFI Forecast is a unique application which will allow system designers to calculate and map usage demand and system channel requirements for any region.

Forecast integrates the power of a MapInfo™ style GIS engine, a spreadsheet interface, and easy to use wizards and custom tools to reduce the burdens of network demand analysis.

Forecast tables represent a model of your system's subscribers (based on either simple or complex demographic targeting), their usage patterns, and projected penetrations of these subscribers. These tables are dynamic and can represent variations in your subscribers, their usage, and/or the growth of your market as time progresses.

A wizard walks you through the steps of creating your forecast tables so that you can start seeing results from the application in minutes. Soon you will be optimizing your model to see the most accurate predictions of subscriber locations and usage available on the market today.

Forecast allows simple re-use of these tables so that they can be applied

to all of your markets rapidly.

Once forecast calculations have been made, the tables are then merged with mapping data, allowing you to visualize your subscribers and the erlangs which they generate. This perspective will allow network designers too quickly locate potential hot spots of activity for your proposed network. Mapping is done within the application, and you have the option of creating layout windows for high quality print output of your maps.

Forecast also includes a reporting engine based in the power of Seagate's Crystal Reports, which will allow you to preview and print summary reports of your forecast tables with a few clicks.

Even when your design is complete, Forecast can still help you optimize your network. Through the use of our cell calculations tool, you can predict erlangs covered by each site in your network. And when you use our growth prediction models, you can literally see when and where a site will need to be augmented in order to meet demand!

Key Features

Here is a list of some of the key features you will find in Forecast 2.03, the newest release of our demand prediction tool:

Interface	Intuitive Win95 Look and Feel, multiple document interface
Forecast Tables	Easy to use spreadsheet interface, multiple forecasts can be edited simultaneously
New Forecast Wizard	The wizard will walk you through creating a new forecast table in a few short steps
Map Windows	Multiple map windows can exist simultaneously, direct map printing, thematic shading, layer control, context menus
Open Formats	All forecast formats are open and can be exported easily to other applications. Map Data: MapInfo™ Format Tables Forecast Tables: Access 2.0 Database Format
Layout Windows	Allow you to create professional quality map output by adding text annotation and graphics to your maps
Forecast Mapping	Subscriber and erlang numbers calculated in the forecast tables can be applied to geographic regions allowing you to visualize your data
Cell Calculator	The calculator will tell you exactly how many subscribers, erlangs, or other data are contained within any boundary; such as cell sites or camp areas

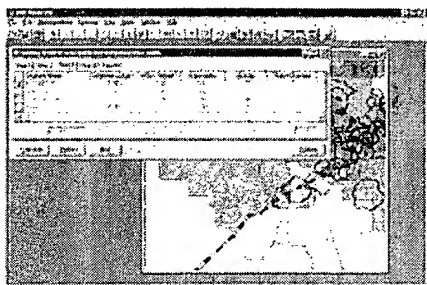
Traffic Tool

You can select any area on a map window and quickly see subscriber and erlang counts for that region

Forecast Reports

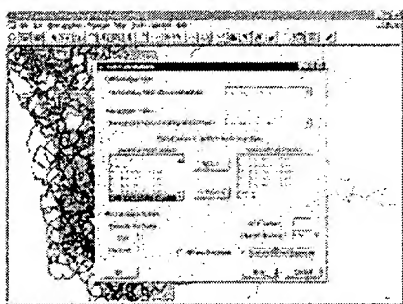
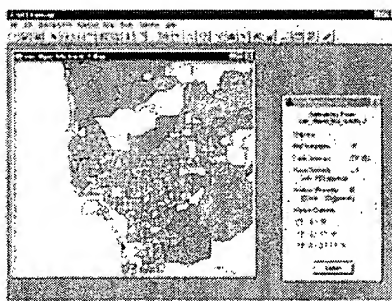
Using the Crystal Reports engine built directly into the application, you can receive detailed reports of each forecast made

Screen Shots



Take a look at Forecast's interface. It has a familiar look and feel so you can get to work right away. Click on the picture for a larger image (105kb).

The Traffic Tool allows you to quickly summarize traffic and subscriber statistics for any selected area. Click on the picture for a larger image (91kb).



The Cell Calculator will allow you to accurately calculate any demographic or traffic statistics overlaid boundaries such as launch areas or cell site coverage boundaries. For Click on the picture for a larger image (116kb).

Demonstration Copy

There is a demonstration CD available for WFI Forecast! The CD contains more information and video demonstrations of the application in action. The CD is currently only available for Windows 95 / NT 4.0 Systems.

[Click here to receive your copy today.](#)

More Information

For additional product information or to receive ordering information for WFI Forecast, email us at gis@wfinet.com or contact us directly.

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*WFI Forecast

File Edit Demographics Forecast Map Tools Window Help



Editing D:\WFI\Forecast\Samples\subscriber.mdb

Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |

	Segment Name	Segment Usage *	MOU / Month *	Subscribers	Erlangs	Voice Channels
▶	BUSINESSES	25.00%	15.00	842	1.32	5
	HOUSEHOLDS	25.00%	22.00	842	1.93	6
	POPULATION	50.00%	17.00	1,685	2.98	8
	Total	100.00%		3,369	6.23	12

Max Subs = 67,408

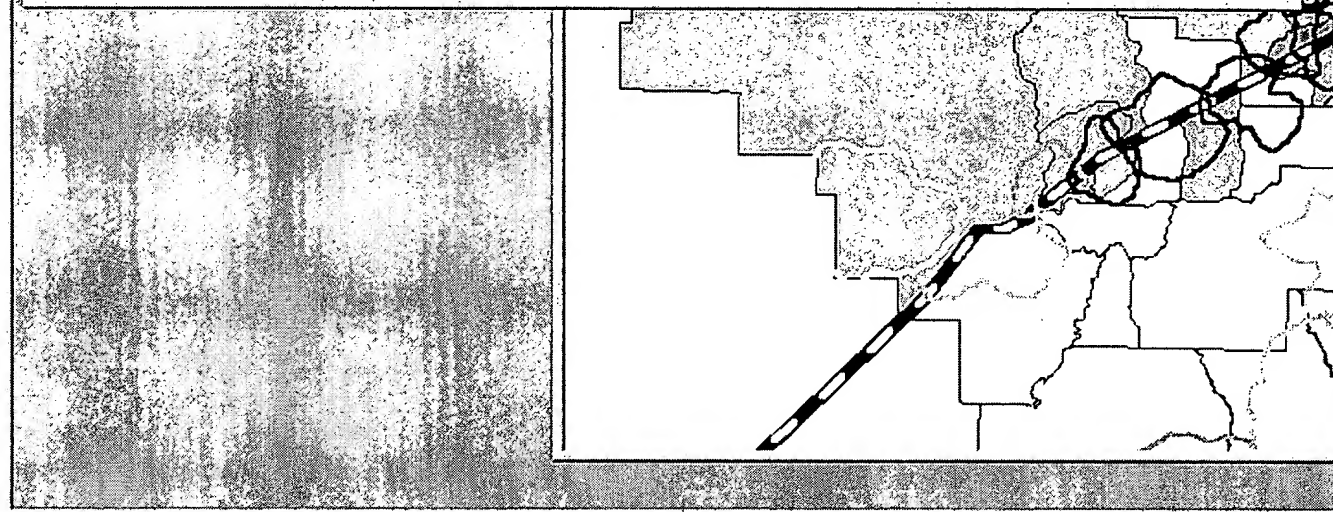
Penetration % = 5.00%

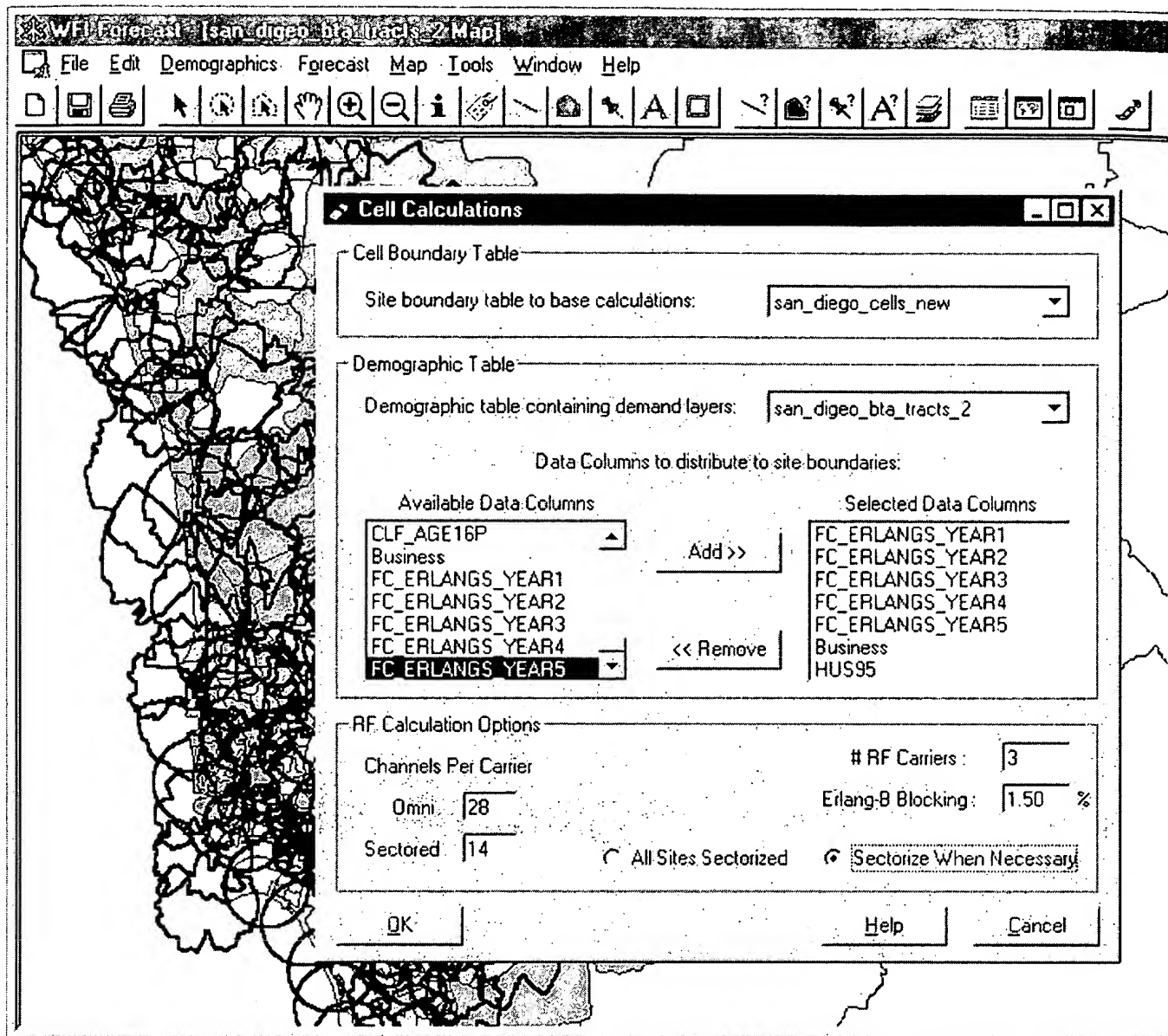
Calculate

Update

Map

Options





FEB. 2, 1999



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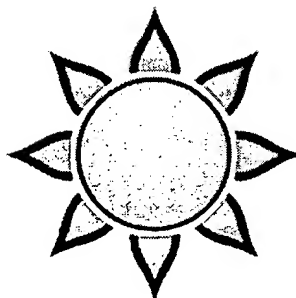
● product goals

At WFI, our product development teams aim to produce high quality systems and software to solve the real world challenges encountered while working with wireless systems.

We constantly strive to produce and improve software and hardware products that complement the process of designing, maintaining, and optimizing wireless networks.

Drawing on the years of experience of our engineering and GIS staff, we have developed the following tools designed specifically for the telecommunications industry:

● software



Forecast 2.0 Demand Prediction and Mapping

Tool

WFI Forecast 2.0 is a powerful application which will allow system designers to predict and map usage demand for any region of interest. Forecast can create either simple or detailed predictions of system demand using two independent subscriber calculations and three independent call modeling techniques. Using our Forecast tables, you will be able to establish a model most accurately predicting

* your users and apply it to all of your potential markets. Forecast will calculate your predicted subscribers, their system usage, and the channel requirements needed to meet this demand. Forecast can also calculate demand for specific site boundaries provided by the user.



NetView 3.0 Site and Network Optimization Tool

NetView 3.0 is an integrated tool for MapInfo™ 4.0 which allows quick and easy visual analysis of site and network performance. NetView will analyze actual system performance based on data retrieved from drive testing your network and display this data accurately and informatively.



Expert Software Package(ESP)

The extensive usage of small cells in Microcellular Radio Networks leads to an increased complexity of the system infrastructure and hence its frequency and capacity planning works. For this reason, a great effort has been put by WFI's Engineering Team in developing another powerful system design tool called Expert Software Package(ESP) which will be available on market soon. The main purpose of ESP is to serve as an assisting tool to facilitate the works and to enhance the accuracy of setting up a Cellular Network.

● systems

CW Signal Measurement Receiver and Modeling Software

WFI has designed an integrated portable field strength measurement system to collect and analyze signal strength data for PCS and Cellular systems. The system is lightweight and portable enabling data collection both indoor and outdoor. This system will allow the designer to quickly and accurately access live coverage performance.



Remote Performance Monitoring For Wireless Networks

WFI has developed a remote system for monitoring the performance of GSM

networks. The system collects call quality data between the Base Station (BTS) and the Base Station Controller (BSC). The remote monitoring system is non-intrusive and operated independent of the equipment type. The system is remotely located at the BSC and operator-controlled through a LAN or modem connection.



Q-TRACKER Network Optimization and Data Analysis

Q-TRACKER is a PC-based system designed for the analysis of field test data of PCS and Cellular systems. Parameters such as Signal Strength, Signal Quality, Network Information and signaling Layer Messages are displayed in real time. Automatic call origination and termination are logged through user-accessible text script files.

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MAY 10, 2000



WFI
the global leader
IN TELECOM OUTSOURCING

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May 2000

Scott Fox Elected Deputy Chairman of the GSM Association

Scott Fox, president of Network Management and Operations for Wireless Facilities Inc. and an advisor and consultant to BellSouth Mobility DCS, is the new deputy chairman of the GSM Association. He will work with new Chairman Jim Healy, and he becomes chairman-elect in 2001/2002.

[Click here for the entire article from *Wireless Now*.]

May 2, 2000

TeleCorp PCS Awards Wireless Facilities Turnkey Network Deployment Contract

Wireless Facilities, Inc. (WFI) (NASDAQ: WFII) announced today that it has been awarded a multiyear contract for network deployment services from TeleCorp PCS, Inc. (NASDAQ: TLCP), AT&T Wireless' largest affiliate. Under the turnkey outsourcing contract, WFI will provide radio frequency design engineering, microwave relocation, site development and program management services for up to 400 sites throughout Iowa and Wisconsin.

[For more information, click here.]

April 26, 2000

Wireless Facilities Reports Record First Quarter Revenue and Profit

Wireless Facilities, Inc. (WFI) (NASDAQ: WFII), a global leader in the design, deployment and management of wireless telecommunications networks, today reported record revenues and earnings for its first quarter ended March 31, 2000.

[For more information, click here.]

April 25, 2000



WFI – Global leader in the planning, design, deployment, operation and maintenance of wireless telecommunication networks.

Wireless Facilities Acquires Comcor Advisory Services, Inc.

Wireless Facilities, Inc. (WFI) (NASDAQ: WFII), a global leader in the design, deployment and management of wireless telecommunications, today announced the acquisition of Comcor Advisory Services, Inc., a privately-held provider of site development services to the wireless mobility and broadband wireless communications market.

[For more information, click here.]

March 14, 2000

Wireless Facilities (Wfi) and Ericsson Announce Strategic Outsourcing Agreement to Provide Network Management Services

Wireless Facilities, Inc. (WFI) (NASDAQ: WFII), a global leader in the design, deployment and management of wireless telecommunications systems and Ericsson [full press release...]

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MARKET ANALYSIS

Through proprietary tools and experience developed from numerous business planning processes and network deployments, the Market Analysis (MA) team provides the most detailed and accurate market analysis currently available to drive system design and network optimization efforts. Their work is critical to the accuracy of analytical modules being formulated by the Strategic & Business Consulting team.

The MA process begins with defining and locating target market segments, creating initial launch areas, and forecasting demand. In addition, MA services are utilized by WFI's engineering department in the design and optimization phases. Once a network is fully operational, the team assists in the maintenance of a smooth and efficiently working system. This is accomplished by utilizing Market Analysis specialists to analyze the live data that is collected for each cell/hub on the network. Services provided include:

Market and Demographic Analysis

The MA team collects and analyzes critical market data that drives system design. This includes defining and locating target market segments, recommending coverage areas, and performing segment analysis per cell/hub to verify financial feasibility of each cell/hub location. Services include:

- General demographic overview
- Specific segment definitions
- Analysis of competitor presence
- Creation of target/launch areas
- Expansion area recommendations

Engineering Support

The MA group supports the engineering staff during the design phase by performing data analysis, creating a preliminary network design, supporting design reviews, and verifying cell/hub placement based on the business model. Engineering support includes:

- Location of subscriber/segment concentrations
- Calculation and display of Erlang densities
- Preliminary network design for fixed wireless services
- Cell/hub verification
- Analysis of drive test data

Post-Deployment System Analysis

Market Analysis post-deployment support ensures that the system remains responsive to market pressures and changes. The staff collects and analyzes demographic data, updates demand forecasts, and monitors coverage, capacity and interference goals.

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COMPANY PROFILE

WFI's services are designed to rapidly improve its customers' competitive position through planning, deployment and management of their networks.



WFI's proven methodology provides an integrated framework for each stage of a customer's engagement. This unique methodology delivers reliable, robust and scalable network solutions primarily on a fixed-price, time-certain basis. This allows WFI customers to more reliably forecast the costs and timing of network deployment and management. Using this methodology, customers are free to focus on their core competencies and rely on WFI for the planning, deployment and management of their networks.

WFI offers turnkey services to the telecommunications industry, encompassing—

TELECOM STRATEGY. WFI's Telecom Strategy Group (TSG) provides strategic, business and technology planning for both wireless carriers and equipment vendors. TSG consultants perform market analysis, competitive research, financial modeling and technology planning, including vendor selection and technology assessment. TSG integrates methodologies, business and strategic planning, advanced technology development and market analysis to provide comprehensive business planning services.

NETWORK DEPLOYMENT. WFI's staff of consultants, technologists, engineers, program managers and site development experts provide services for the design, implementation and optimization of telecom systems. WFI's Network Deployment services range from market evaluation to radio frequency engineering, broadband system design and complete program management. Additional services include site acquisition and site development, microwave relocation, fixed network design, installation and optimization services.

NETWORK MANAGEMENT. WFI's network management team offers post-deployment radio frequency optimization and day-to-day operation and maintenance of wireless networks. Post-deployment optimization services include testing network elements, tuning the network for optimal performance and identifying elements that need to be upgraded or replaced. Maintenance and operation services cover critical network elements, encompass the full range of technologies, and offer complete network operating center services.

Select these service areas for more detailed information, or contact us about WFI's products and services.

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STRATEGIC & BUSINESS CONSULTING

WFI's consultants assist its customers in formulating successful strategies for business and project development. Consultants analyze various strategic options to validate executive decisions. Drawing on the demographic analysis and preliminary network dimensioning performed by the Market Analysis (MA) team and technological expertise from the Advanced Technology Group (ATG), WFI's consultants evaluate business and project plans, validate existing plans and/or assist the customer to create new business strategies. Services include:

Customer Analysis

Formulation of a Customer Profile as a baseline for the development of business and project plans. The Customer Profile includes:

- Competitive analysis
- Market opportunity assessment
- Technical assessment and recommendations
- Preliminary network design
- Global trend research (Market Research Report)
- Demographic research

Capabilities Analysis

Analysis of customer resources, qualifications, skills, and intellectual capital available to support accomplishment of its business mission, including:

- Definition of services to be offered
- Definition of pricing models
- Establishment of provisioning philosophy

Cost Analysis

Formulation of operating/financial models (cost models, income and cash flow projections) by distilling information collected in the analytical modules and the market/network planning process. Cost analysis considerations in network design, deployment and provisioning include:

- Equipment and equipment vendors
- Construction materials
- Labor and deployment
- Vendor selection and contract negotiation

Business Plan Development

Utilizing the information gathered through analytical modules, WFI consultants work with the customer's management and technical teams to develop a comprehensive business plan. This includes defining objectives and goals, performance measures, target markets, major customers, risk factors and contingency plans. Financial analysis is a key part of the plan and includes build-out costs, revenue and cost forecasts, project valuation and funding strategies. In addition, WFI consultants assist WFI customers in funding a business plan through the arrangement of equity and debt financing.

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The wireless telecom industry is growing rapidly—carriers and equipment vendors are making large capital investments to expand their networks and deploy new systems. In response to these demands, WFI has assembled all the resources required to plan and deploy wireless networks—an international organization led by experts in the industry and a staff of engineers and technicians to deliver and manage complex wireless communications systems.

With an extensive range of telecommunications service capabilities, WFI meets the varied and specific needs of its customers. WFI's staff of consultants, technologists, engineers, program managers, site acquisition specialists and site development experts is dedicated to providing the best services for the design, implementation, and optimization of telecommunications systems. WFI's Network Deployment range from pre-engineering project planning to equipment installation and pre-launch optimization services, including:

- Project Management
- Radio Frequency Engineering
- Fixed Network Engineering
- Broadband Systems Design & Deployment
- Microwave Relocation
- Site Acquisition
- Site Development
- Installation & Optimization

WFI's success is largely based on its ability to provide a package of integrated services, taking responsibility for the management of multiple subcontractors, and allowing its customers to focus on their core competencies. For further information, select the service areas offered above, or contact us.

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Wireless Facilities Announces New Service for Mobile Carriers to Forecast Customer Demand, Cut Costs and Reduce Time to Market

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- Exactis Market Analyzer provides valuable information on competitive wireless marketplaces -

SAN DIEGO, Feb. 19 /PRNewswire/ -- Wireless Facilities, Inc., (WFI), (Nasdaq: WFII), a global leader in the design, deployment and management of wireless telecommunications networks, today unveiled Exactis Market Analyzer (EMA), a service for mobile operators and carriers that assesses potential customer densities, bandwidth demand requirements and the competitive landscape before new services are deployed. EMA aids the operators in decreased time to market, reduced infrastructure costs and improved overall network efficiency. WFI has helped deploy wireless networks for some of the largest carriers worldwide since 1994.

EMA is provided by WFI's market development group to help operators assess customer markets and demand for wireless services in the top 50 markets in the U.S. Using a patent-pending analytical tool with proprietary algorithms that analyze over 700 variables from combined databases of proprietary and published information, EMA helps operators to develop advanced customer segmentation methodologies, bandwidth demand requirements, and target customer densities down to individual buildings and streets within a given market. EMA also allows operators to assess the potential impact of competition on targeted segments and identify exploitable gaps within competitors' service offerings. By providing a multi-dimensional picture of the market, EMA helps operators to efficiently design network topologies, maximize network efficiency and decrease site acquisition time. Financial institutions may also use EMA to validate a given market for potential business ventures or investments. EMA provides detailed information on a given service area, including: -- Identification of targeted customer segment locations down to the street and building levels -- Specific target customer density -- Project segment growth within key markets -- Required bandwidth demand by segment and estimated demand down to the building level -- Known fiber locations, competitive services and potential T1/T3 locations by building -- Service and pricing analysis by competitive offerings -- Accurate building mapping and location analysis, 3D Orthophotos of the city -- Line-of-sight analysis based on Digital Elevation Modeling -- accurate to within two meters -- Recommended coverage areas and hub/site locations and preliminary network design

"In the past, networks have been designed with a two dimensional model, examining only network capabilities and service offerings. Often the result has been networks that are elegantly designed, but that may not accurately meet the market needs," said **Christa Lush**, vice president, Market Development at WFI. "Exactis Market Analyzer sets the stage for properly dimensioning networks. It looks at all the factors, including assessing customers needs and where they reside, as well as looking at the competition to develop a solution that addresses the market needs. EMA maximizes the network while reducing the risk of investment."

"In order to succeed in today's competitive telecommunications service market, operators need to be first and need to be efficient," said George Wozencraft, vice president Telecom Strategy Group at WFI. "Exactis Market Analyzer provides the complete picture to help operators determine the optimum network infrastructure for the customers' needs the first time,

increasing speed to market for planning time from six to eight months to less than three months and saving money in the process."

About Wireless Facilities

A global leader in telecommunications outsourcing, Wireless Facilities, Inc. designs, deploys and manages wireless networks for some of the largest cellular, PCS and broadband wireless carriers and equipment suppliers worldwide. Specializing in network architecture and dimensioning of mobile and high speed wireless data systems, including third generation (3G) networks, WFI provides a complete range of network services -- from business and market planning to RF engineering, fixed network engineering, IP and data engineering, site acquisition and development, installation, optimization and maintenance. Headquartered in San Diego, WFI has grown to more than 2,000 employees and has performed work in over 100 countries since the company was founded in late 1994. The company has offices in Dallas, Chicago, Seattle, Reston VA, Montvale NJ, London, Gothenburg, Frankfurt, Madrid, Mexico City, Sao Paulo and New Delhi. News and information are available at www.wfinet.com.

Notice Regarding Forward Looking Statements

This news release contains certain forward-looking statements that involve risks and uncertainties. The Company operates in a very dynamic market environment, and expectations or assumptions that appear reasonable as of the date hereof may not be reasonable at any point in the future. Words such as "anticipates," "expects," "projects," "intends," "plans," "believes," "may," "will," and similar expressions are intended to identify forward-looking statements and specifically include references to the Company's belief that its Exactis Market Analyzer service offering will enable wireless carriers to maximize network planning strategies. Such statements are only predictions, and the Company's actual results may differ materially from those anticipated. Factors that may cause such differences, include, but are not limited to: slowdowns in telecommunications infrastructure spending which could delay network deployment and reduce demand for the Company's services; the Company's ability to hire and retain key personnel; the rate of adoption of telecom outsourcing by network carriers and equipment suppliers; continuing industry investment in "third generation" or "3G" deployments; competition in the marketplace which could reduce revenues and profit margins; lower customer satisfaction levels for services performed by the Company. These factors and others are more fully discussed under "Risk Factors" and elsewhere in the Company's registration statement on Form S-1, the Company's annual report on Form 10-K filed on March 30, 2000 and the Company's Form 10-Q for the quarter ended September 30, 2000 filed on November 15, 2000 with the Securities and Exchange Commission.

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